

Eastern Arizona Amateur Radio Society

EST. 1974

www.eaars.com

INC.

facebook.com/groups/eaars

Club Address: EAARS, PO Box 398, Solomon, AZ 85551



April, 2018

JOIN EAARS on Facebook

EAARS has a presence on Facebook and you are invited to **JOIN** the page. This is a great media to quickly share news, photos and events that are EAARS related or might be interesting to the members. If you utilize "Notifications" on the EAARS Facebook page, you can receive club updates AS THEY HAPPEN.

To reach the page, please visit **facebook.com/groups/eaars** and **JOIN** the page. You must have a Facebook account to be part of the EAARS group.



LIKE US ON

facebook

EAARS Open Repeaters

PL 141.3 unless noted otherwise

Echolink: 614350 **IRLP:** 7787

Heliograph Peak at Safford, AZ:

146.860, 440.700 Linked

146.900, 447.8250 Not Linked

Jacks Peak at Silver City, NM:

145.210 Linked

West Peak at Ft Thomas, AZ:

145.350 Access to link to network

Pinal Peak at Globe, AZ:

145.410 Linked

South Mt at Alpine, AZ:

145.270 Linked

Caballo Mt at TorC, NM:

145.470 Linked

Greens Peak at Show Low, AZ

146.700 Linked

Little Florida at Deming, NM:

147.060 Linked

Mule Mt at Bisbee, AZ:

147.080 Linked

Mt Lemmon at Tucson, AZ

147.160 Linked

Guthrie Peak at Clifton, AZ:

147.280 Linked

Gals on the Air!

Calling all Gals of any class ... Join us every Monday night for the
Gals Night Net @ 7:30 pm (AZ) on the EAARS system!

Upcoming Events

*Would You like to see your event posted for the membership to see?
Email your information to emberfire@cox.net.*

April 15 ... AZ Trail Vail Scramble - Mike W7IJ
April 28... Tucson Ham Picnic - Chris N7JND, Angie N7EMB, Don KD7ULZ
April 29 ... March for Babies - Angie N7EMB
June 23-24... Field Day
Nov 10 ... Alzheimer's Walk - Angie N7EMB

Did you know that you can see the Public Service Opportunities on soazhamservice.net? The events are posted by dates and who leads them. If you are interested in participating or have any questions, please feel free to contact them.

WEEKLY EAARS' NETS

Every day:

*Down Under Net - 4:15 am
Weather Net - 5:30 am
NTS Traffic Net - 6:30 pm*

Sunday:

EAARS Net - 7:00 pm

Monday:

Gals Night Net - 7:30 pm

Wednesday:

*Skywarn Net - During Monsoon, Every Wednesday at 7:30 pm,
Off Season, every second Wednesday of month at 7:30 pm*

Saturday:

*ERC (Emergency Response Communications) Net -8:45 am ,
2nd Saturday of the month (20-25 min duration)*

EAARS Officers and Staff

Board Officers

President	Dave Wells	N7AM
Vice President	Dan Quaintance	AF7EF
Secretary/Treasurer	Larry Griggs	N5BG

Staff

Site Trustee	Joe Montierth	K7JEM
Net Manager	Chris Buchanan	N7JND
Newsletter Editor	Angie Buchanan	N7EMB

Net Control Operators

Rick KE7EDP	1st Sunday
Angie N7EMB	2nd Sunday
Mike W7IJ	3rd Sunday
Chris N7JND	4th Sunday



**Next EAARS Meeting
Tuesday, May 15, 2018
6:30 pm
Search & Rescue in Thatcher**

welcome

New EAARS Members!

KI7OFN Estell "Snakeman"
KE5EUK Mike

AWESOME

**Remember the Reason
For the Season**

Believe



WN7BSA Jamboree on the Air Update

WN7BSA will be active this October 19 through 21st during the International Boy Scout Jamboree on the Air or JOTA. We will be operating from the Double V Boy Scout Ranch just off Kinney Road. The event is being sponsored by the Catalina Council, Boy Scout Troop 157, and the WN7BSA volunteer team.

Scouts and other youth will take part in transmitter hunts, Morse code demonstrations, talking on the air on HF, VHF, and UHF, a great vacuum tube giveaway and old-time radio demonstration, an electronics demo where the youngsters can annoy friends with ear-piercing sounds and test high frequency hearing ability. Rumor has it that there may even be a vinyl record demonstration presented by the Ray Conniff Singers using a Williamson stereo amplifier. Plus much more!

The Tucson Amateur Astronomical Association (TAAA) will also be hosting a daytime astro-party featuring hydrogen-alpha views of the sun. Saturday evening the TAAA will also be hosting a star party.

The Catalina Council is providing free camping to Boy Scout and Cub Scout units, so if you are interested and represent a Scouting unit, please register early. Camping sites are limited. So Scouters, get the event on your troop calendar.

But wait! There's more! The free camping offer is also open to other bona fide youth groups such as Girl Scouts, 4H Clubs, and others. **To get in on the fun, contact Joe, K3TYE, via his QRZ page** and he will help with the registration process. The QRZ email address is active. But don't forget, camping sites are limited.

Be the First-- 2018 ARRL Field Day Gear is Here!

ARRL - 03/29/2018

ARRL Field Day — the most popular on-the-air operating event in Amateur Radio — is June 23-24, and official gear and supplies are now available from ARRL. **Shirts, pins, patches, stickers**, and — of course — coffee **mugs** are a great way to acknowledge — and commemorate — your participation in this annual event. There are two T-shirt color options — **navy blue** and **white**. Order one or one of each! Pair it with an ARRL hat of your choice, in **black, khaki** or **red** and **white**.

Encourage club members, family, friends, and prospective hams to take part using ARRL Field Day with recruitment posters and attractive "Get on the Air" (GOTA) pins for those newcomers.

This year, many groups and participants may choose to combine 2018 Field Day with our year-long operating event — 2018 ARRL International Grid Chase (IGC) — working stations in as many grid squares as possible and uploading log data to ARRL's Logbook of The World (LoTW).

Clubs are encouraged to order early. Place a group order and pay just \$12.50 shipping for all orders over \$50 (while supplies last). Get your 2018 ARRL Field Day supplies from the **ARRL online store** or by **calling (888) 277-5289** in the US, Monday through Friday, from 8 AM to 5 PM Eastern Time. Outside the US, call (860) 594-0355.

<http://www.arrl.org/shop/Field-Day/>

The complete 2018 ARRL Field Day packet is online. ARRL encourages participants to register their Field Day operations using the FD Site Locator.



Internal Space Station Astronauts Calling "CQ Students"

ARRL - 03/16/2018

The deadline is **April 30** for US schools, museums, science centers, and community youth organizations (working individually or together) to submit proposals to host an Amateur Radio on the International Space Station (ARISS) contact with an orbiting crew member on the International Space Station (ISS). Contacts would be scheduled between January 1 and June 30, 2019.

Each year, ARISS provides tens of thousands of students with opportunities to learn about space technologies and communications through Amateur Radio. The program provides learning opportunities by connecting students to astronauts aboard the ISS through a partnership between ARRL, AMSAT, and NASA, as well as other Amateur Radio organizations and worldwide space agencies. The program's goal is to inspire students to pursue interests and careers in science, technology, engineering, and mathematics (STEM) and Amateur Radio.

"Educators overwhelmingly report that student participation in the ARISS program stimulates interest in STEM subjects and in STEM careers," ARISS said in announcing the contact opportunities. "As one educator wrote, 'It exceeded our expectations — it created a great interest in both Amateur Radio and in space exploration. Our kids are completely inspired!'"

More than 90% of educators who have participated in the program have indicated that ARISS provided ideas for encouraging student exploration and participation. Some of them even become radio amateurs after experiencing a contact with an ISS crew member.

ARISS is looking for organizations that will draw large numbers of participants and integrate the contact into a well-developed, exciting education plan. Students can learn about satellite communications, wireless technology, science research conducted on the ISS, radio science, and any related STEM subject. Students learn to use Amateur Radio to talk directly to an astronaut and ask their STEM-related questions. ARISS will help educational organizations locate Amateur Radio groups who can assist with equipment for this once-in-a-lifetime opportunity for students.

Proposal webinars for guidance and getting questions answers will be offered on Thursday, March 29, at 7 PM EDT (0000 UTC on Friday, March 30) and on Monday, April 16, at 4 PM EDT (2100 UTC). Advance registration is required. More details, such as expectations, proposal guidelines, and the proposal form, are on the ARISS website. — Thanks to ARISS via Dave Jordan, AA4KN



Submitting a Proposal - The Proposal Window

Proposals from schools and organizations in the US are accepted during two proposal windows each year. **The Spring 2018 proposal window will open March 15 - April 30, 2018 for contacts to be scheduled January - June 2019.**

Two Radio Amateurs Now on International Space Station

ARRL - 03/24/2018

With the addition of three new crew members, the International Space Station (ISS) now has a full complement of six. Astronauts Ricky Arnold, KE5DAU, and Drew Feustel, and cosmonaut Oleg Artemyev headed into space on March 21 aboard a Soyuz MS-08 vehicle, launched from Kazakhstan.

The new ISS residents were welcomed on March 23 as part of the Expedition 55 crew by station commander Anton Shkaplerov and crew — Scott Tingle, KG5NZA, and Norishige Kanai. During his time in space, Arnold, a former educator, will wrap up NASA's Year of Education on Station, an initiative to engage students and educators in human spaceflight and science, technology, engineering, and math (STEM) careers.

Arnold and Tingle will take turns handling all scheduled Amateur Radio on the International Space Station (ARISS) school contacts in April.



Camping and Ham Radio

I enjoy writing about camping and Ham Radio. There's just something magical about operating radio in a campground while camping. This last week, a group of us (N7JND, N7EMB, WE7DOG, W7LJ and his wife Mary) packed up and went to Parker Canyon Lake. We had lots of room which means plenty of room to erect antenna poles of all types.

There's always something to hear at a lake. Whether it's Ham Radio, FRS, VHF Marine or just old fashion SWLing, kicking back in a lounge chair spinning the dial, is so relaxing.

During our trip, we had HF, 2 meters, 70cm, VHF Marine & FRS. Scanning the FRS/GMRS frequencies in a campground, makes for some great entertainment when the kids decide to go exploring and keeping in touch with their base camp. We always have a 2 meter base camp simplex frequency which we can keep in touch from camper to camper or person to person when a couple of us decide to go out on the lake and realize we don't have enough trolling motor battery to get us back to the boat dock ramp. So while we are participating in the "Tow Of Shame", we can radio back to camp and let them know why we are slightly delayed. (No cell coverage at Parker Canyon Lake).

The photo is the simple antenna setup of N7JND/N7EMB. It supports a G5RV Jr and a 2 Meter/440 Slim Jim to get us back into the EAARS system. Cell Phones may not work (which is good), but Ham Radio does work and provides us with communications outside of the campground.

Amateur Radio Field Stations are a great way to keep your field setup working and allows you to customize it for quick deployment if needed. It's also a GREAT way to play HF when you are in an HOA community that doesn't allow antennas. Can't bring HF to your home? Then take it out to places where you can set up and play. Campgrounds, parks, middle of the desert are great places to play HF.

Happy Camping,

Chris N7JND



At 8, She's Licensed to Love Radio

ARNewsline - 3/16/18

STEPHEN/ANCHOR: Radio has a role in our lives, whether we're very young and discovering it or older and REdiscovering it. Jim Damron N8TMW introduces us to a YL in the throes of discovery.

Jim: Seeing a pony-tailed second grader holding a directional antenna towards the sky is not exactly what you'd expect. But then Lacy Beckett W4LCY is not what you'd expect in a ham, either. This eight year old resident of Blacksburg, Virginia was shown demonstrating satellite-antenna-technique in an article in the Radford Virginia News Journal shortly after she acquired her Technician license this past January. But if you think that's an accomplishment—wait! Lacy just upgraded to General two weeks ago. Her aunt and uncle drove her to Charleston, West Virginia—a 2 and a half hour ride—for the VE test session. I was honored to be a part of that VE team. Let me tell you, we were all cheering her on—quietly, of course. I talked to Lacy and she told me how her uncle Malcolm NB3T, and Aunt Jessica KW4GH, both Extra Class operators, helped her get interested in ham radio.

Lacy: We were going out and we were working the satellites and I wanted to do it by myself, so I decided that I wanted to go and get my license...and I just wanted to use my own call sign and do it myself. I wanted to go on the ISS when I grow up and I thought it would be cool to talk to the ISS now.

Jim: And why did you decide to upgrade to General so quickly?

Lacy: If I got my General, I could just be on the big radio!

Jim: I understand you're now studying Morse Code?

Lacy: Morse Code is really fun. It's just pressing buttons. I probably shouldn't be pressing buttons, but who cares!

Jim: So Lacy, how would you explain ham radio to someone?

Lacy: The way I would explain it is you have hard work at first but then after you pass the test, you get your license and then you can talk on the radio. It's just like that!

Jim: So are you going to upgrade to Extra soon?

Lacy: I might do it later.

Jim: But not next month?

Lacy: Probably not!

Jim: And what's your favorite part of ham radio?

Lacy: Field Day. That's what's my favorite part of the summer. Well, maybe the pool is!

Jim: We can tell you, Lacy—pool or not—you've made a big splash in ham radio! Eight year old Lacy Beckett, W4LCY. For Amateur Radio Newsline, I'm Jim Damron, N8TMW.

Congrats to this young lady!

RST Spring Hamfest

It was a great day for a Hamfest and on March 31, that's exactly what happen on Tucson's east side at the Target parking lot. The Radio Society of Tucson was the host to two rather large rows of people swapping, trading and selling Ham gear and other electronic stuff. And there was a lot of STUFF! It seemed like everyone was walking around with some treasure they bought.

The RST VE Team under the direction of Diane - AA3OF, were present and handed out 14 tests plus a few more for those who passed an element level and wanted to try the next level. All in All, around 20 tests were handed out. Great job to the RST VE Team!

Along with RST, ARRL was present, as well as the Boy Scouts, who were selling soda, coffee and doughnuts. Thanks to Joe - K3TYE and his team of Scouts!

Overall, it was a great day for a Hamfest. The weather was nice. Not too hot or cold. Lots of people to socialize with! RST is looking forward to hosting TWO Hamfests per year. Watch your EAARS newsletter for all the upcoming details.

Thanks to all who attended and supported this great event. See you at the next ham event!



Cooking up Some Magic



Lemon Meringue Muffins

Ingredients

6 tablespoons butter, softened
1 cup sugar, divided
2 large eggs
1/2 cup plain yogurt
2 tablespoons lemon juice
1 tablespoon grated lemon peel
1/4 teaspoon lemon extract
1-1/3 cups all-purpose flour
1/2 teaspoon baking powder
1/2 teaspoon baking soda
2 large egg whites

Directions

1. Preheat oven to 350°. In a large bowl, cream butter and 2/3 cup sugar until light and fluffy. Add eggs, one at a time, beating well after each addition. Beat in yogurt, lemon juice, peel and extract.
2. In another bowl, whisk flour, baking powder and baking soda. Add to creamed mixture; stir just until moistened. Fill greased or paper-lined muffin cups three-fourths full. Bake 17-19 minutes or until a toothpick inserted in center comes out clean. Remove from the oven. Increase oven setting to 400°.
3. Meanwhile, in a small bowl, beat egg whites on medium speed until soft peaks form. Gradually add remaining sugar, 1 tablespoon at a time, beating on high after each addition until sugar is dissolved. Continue beating until stiff glossy peaks form.
4. Spread or pipe meringue onto muffins. Bake 6-8 minutes longer or until meringue is golden brown.
5. Cool 5 minutes before removing from pan to a wire rack. Serve warm. Refrigerate leftovers. Yield: 1 dozen.

kiss the
COOK
•••••